

# PATENT ABSTRACTS OF JAPAN

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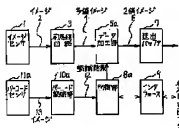
(54) IMAGE INPUT DEVICE

(57)Abstract:

PURPOSE: To provide an image input device which can decide the data processing contents by each scanning paper sheet form without holding the image data processing contents designated by a host computer in the image input device in a system which contains the component elements of the image input device such as an electronic filing device.

CONSTITUTION: A bar code sensor 11a and a bar code recognizing part 10a which optically scan the surface of a paper sheet to detect and recognize a bar code are added to a conventional image input device which includes an image sensor 1, a preprocessing circuit 3, a data processing part 5a, a transmitter buffer 7, an interface 9, and a control part 8a. Then the part 8a is informed of the recognized result 12 and the part 8a controls the part 5a for selection of the best one of those methods including a dither

method, an error scattering method, a simple binarizing method, etc. Thus, it is possible to input an image with the processing contents in accordance with the application such as that a partitioning sheet and OCR sheet, etc., can always be image-inputted by the simple binarizing method.



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**DETAILED DESCRIPTION**

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[Detailed Description of the Invention]

[0001]

[Industrial Application] Especially this invention relates to image input devices which supply the image data of an input to the basis of control of a host computer to the computer associated equipment which deals with the image data of an extensive document, such as an electronic filing device, about an image input device.

[0002]

[Description of the Prior Art] This conventional kind of image input device is provided with a CCD element or a contact type image sensor as a photoelectric conversion part for space light scanning. After pretreating an A/D conversion etc. to the acquired image, it is the representation which has the process flow of performing and outputting data processing, such as a dither method and an error diffusion method.

[0003]

[Problem(s) to be Solved by the Invention] The conventional image input device mentioned above has a problem as shown below to the use which inputs extensive documents, such as electronic filing.

[0004] Namely, although many of conventional electronic filing devices which put an image input device side by side are using the conventional image input device mentioned above, Since automatic recognition of the boundary line of a document and a document was not able to be carried out when inputting many documents constituted by two or more pages, the method of repeating the input for every document, the way an operator divided a document after inputting collectively, etc. were generally taken.

[0005] Even if it inputs collectively, in order to carry out automatic recognition of the boundary line of a document, the method crowded on both sides of special partition paper between documents was also invented.

[0006] However, in order to improve image quality of complicated images, such as a photograph, by one side, Identifying certainly is [ whether it is page partition paper and ] a difficult situation, after the scanner device is also required to perform data processing mentioned above, such as a dither method and an error diffusion method, and data